

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("3846128").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:37
L2	1	("6492521").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:37
L3	1	("6492518").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:38
L4	1	("6448208").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:38
L5	1	("6369267").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:39
L6	1	("6368520").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:39
L7	1	("6365652").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:39
L8	1	("6362278").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:39
L9	1	("6329473").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:40
L10	1	("6320056").PN.	USPAT; USOCR	OR	OFF	2006/12/13 13:35
L11	1	("6306939").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:40
L12	1	("6297378").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:41
L13	1	("6284895").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:41
L14	1	("6046263").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:41
L15	1	("5997769").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:41
L16	1	("5990310").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:42
L17	1	("5965641").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:42
L18	1	("5929166").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:42
L19	1	("5834544").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:42
L20	1	("5807963").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:43
L21	1	("5721298").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:43
L22	1	("5593701").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:43

EAST Search History

L23	1	("5593701").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:43
L24	1	("5569716").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:43
L25	1	("5420204").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:44
L26	1	("4857596").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:44
L27	1	("4709041").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:44
L28	1	("4520171").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:44
L29	1	("3839275").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:44
L30	2	("3663505").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:45
L31	2	("3542691").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:45
L32	2	("3424713").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:45
L33	2	("3409586").PN.	USPAT; USOCR	OR	OFF	2006/12/13 12:45
L34	319	548/257.ccls.	US-PGPUB; USPAT	OR	OFF	2006/12/13 13:35
L35	202	548/257.icls.	US-PGPUB; USPAT	OR	OFF	2006/12/13 13:35
L36	138	548/257.icls. and benzotriazole	US-PGPUB; USPAT	OR	OFF	2006/12/13 13:35
L37	52	548/257.icls. and benzotriazole and uv	US-PGPUB; USPAT	OR	OFF	2006/12/13 13:35

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptasel1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	5	AUG 30	CA(SM)/CAPLUS(SM) Austrian patent law changes
NEWS	6	SEP 11	CA/CAPLUS enhanced with more pre-1907 records
NEWS	7	SEP 21	CA/CAPLUS fields enhanced with simultaneous left and right truncation
NEWS	8	SEP 25	CA(SM)/CAPLUS(SM) display of CA Lexicon enhanced
NEWS	9	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS	10	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS	11	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS	12	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS	13	OCT 19	E-mail format enhanced
NEWS	14	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS	15	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	16	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	17	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	18	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	19	NOV 10	CA/CAPLUS F-Term thesaurus enhanced
NEWS	20	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	21	NOV 13	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	22	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS	23	NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased to 50,000
NEWS	24	NOV 20	CA/CAPLUS patent kind codes will be updated
NEWS	25	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	26	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS EXPRESS			NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006..
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific

research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:21:33 ON 13 DEC 2006

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:21:46 ON 13 DEC 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 DEC 2006 HIGHEST RN 915277-53-1

DICTIONARY FILE UPDATES: 12 DEC 2006 HIGHEST RN 915277-53-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

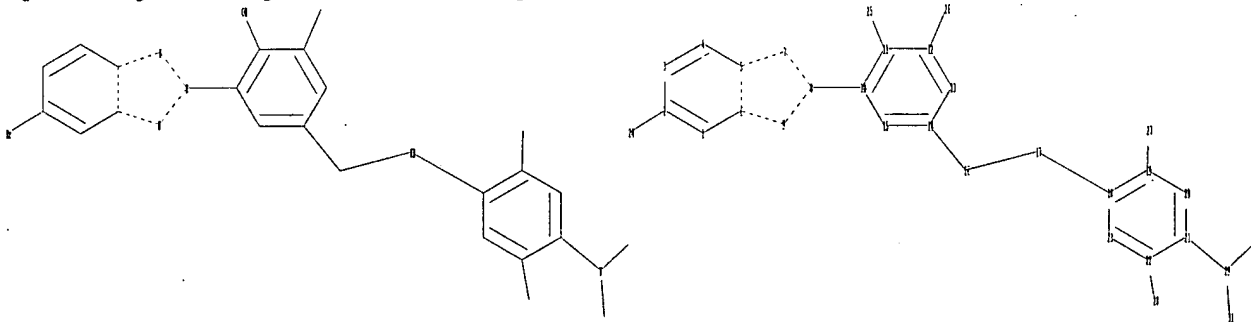
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10804884s.str



chain nodes :

16 17 24 25 26 27 28 29 30 31

```

ring nodes :
1  2  3  4  5  6  7  8  9  10 11 12 13 14 15 18 19 20 21 22 23
chain bonds :
2-24  8-10 11-25 12-26 14-16 16-17 17-18 19-27 21-29 22-28 29-30 29-31
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9  10-11 10-15 11-12 12-13 13-14
14-15 18-19 18-23 19-20 20-21 21-22 22-23
exact/norm bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9  8-10 11-25 16-17 17-18 21-29
29-30 29-31
exact bonds :
2-24 12-26 14-16 19-27 22-28
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15 18-19 18-23 19-20 20-21 21-22 22-23

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:CLASS
28:CLASS 29:CLASS 30:CLASS 31:CLASS

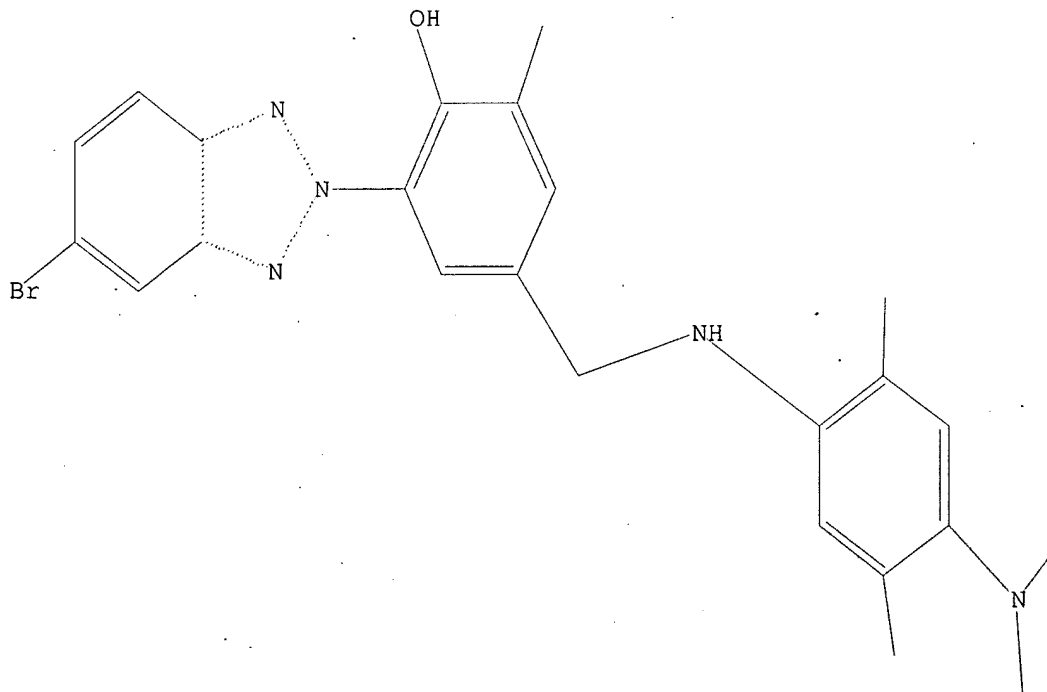
```

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

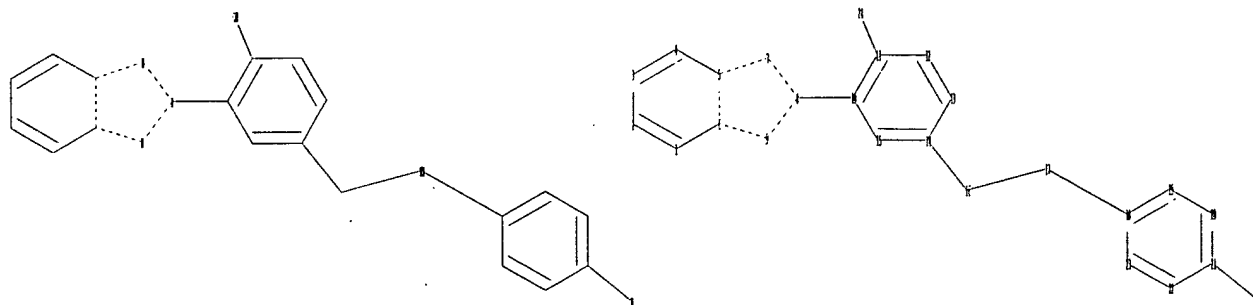


Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 12:22:06 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE



chain nodes :

16 17 24 25

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23

chain bonds :

8-10 11-24 14-16 16-17 17-18 21-25

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 18-19 18-23 19-20 20-21 21-22 22-23

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10 11-24 16-17 17-18 21-25

exact bonds :

14-16

normalized bonds :

10-11 10-15 11-12 12-13 13-14 14-15 18-19 18-23 19-20 20-21 21-22 22-23

Match level :

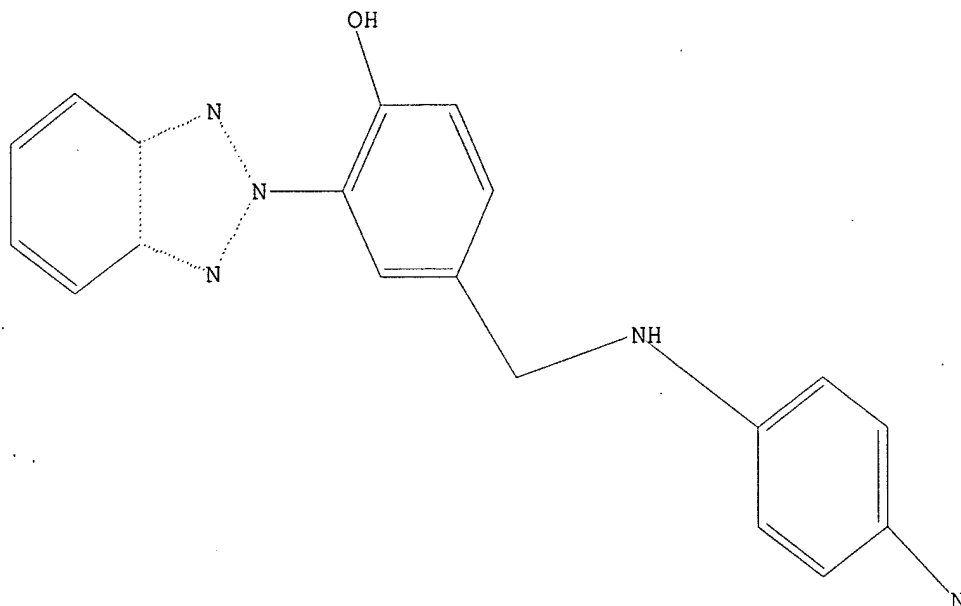
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 14

SAMPLE SEARCH INITIATED 12:22:50 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 6 TO ITERATE

100.0% PROCESSED 6 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 6 TO 266

PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s 14 full

FULL SEARCH INITIATED 12:22:53 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 228 TO ITERATE

100.0% PROCESSED 228 ITERATIONS

6 ANSWERS

SEARCH TIME: 00.00.01

L6 6 SEA SSS FUL L4

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

166.94

334.09

FILE 'CAPLUS' ENTERED AT 12:22:55 ON 13 DEC 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available

for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 13 Dec 2006 VOL 145 ISS 25
FILE LAST UPDATED: 12 Dec 2006 (20061212/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l6

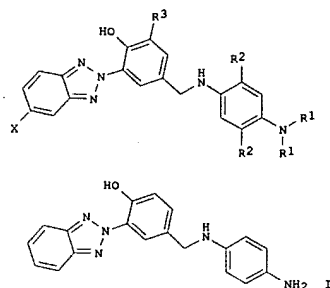
L7 1 L6

=> d ibib abs hitstr tot

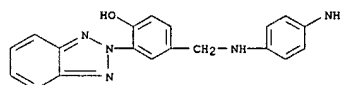
L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:572625 CAPLUS
 DOCUMENT NUMBER: 143:78191
 TITLE: A preparation of benzotriazole derivatives, useful as antioxidants and antiozonants
 INVENTOR(S): Solanky, Shailendra Singh; Desai, Shrojal Mohitkumar; Singh, Raj Pal
 PATENT ASSIGNEE(S): India
 SOURCE: U.S. Pat. Appl. Publ., 7 pp., Cont. of Appl. No. PCT/IB03/06204.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005143584	A1	20050630	US 2004-804884	20040319
WO 2005066141	A1	20050721	WO 2003-IB6204	20031225
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003288638	A1	20050812	AU 2003-288638	20031225
EP 1727807	A1	20061206	EP 2003-780480	20031225
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PT, RO, SE, SI, SK, TR				
PRIORITY APPLN. INFO.: WO 2003-IB6204 A1 20031225				
OTHER SOURCE(S): MARPAT 143:78191				
GI				

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

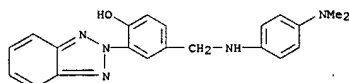


AB The invention relates to a preparation of benzotriazole derivs. of formula I
 [wherein: R1 and R2 are independently selected from alkyl groups; R3 is H or tert-butyl; X is H, halogen, tert-Bu, or alkoxy], useful as antioxidants and antiozonants (no data). For instance, benzotriazole derivative II was prepared via amination of 2-(2H-benzotriazol-2-yl)-4-(bromomethyl)phenol by p-phenylene diamine with a yield of 63%.
 IT 856010-23-6P 856010-24-7P 856010-25-8P 856010-26-9P 856010-27-0P 856010-28-1P
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
 (Preparation of benzotriazole derivs. useful as antioxidants and antiozonants)
 RN 856010-23-6 CAPLUS
 CN Phenol, 4-[[[(4-aminophenyl)amino]methyl]-2-(2H-benzotriazol-2-yl)]- (9CI) (CA INDEX NAME)

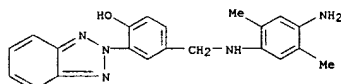


RN 856010-24-7 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-[[[(4-(dimethylamino)phenyl)amino]methyl]- (9CI) (CA INDEX NAME)

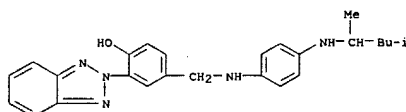
L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



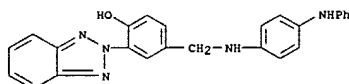
RN 856010-25-8 CAPLUS
 CN Phenol, 4-[[[(4-amino-2,5-dimethylphenyl)amino]methyl]-2-(2H-benzotriazol-2-yl)]- (9CI) (CA INDEX NAME)



RN 856010-26-9 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-[[[(1,3-dimethylbutyl)amino]phenyl]amino]methyl]- (9CI) (CA INDEX NAME)

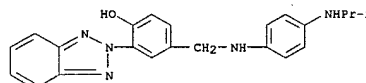


RN 856010-27-0 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-[[[(4-(phenylamino)phenyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 856010-28-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-[[[(1-methylethyl)amino]phenyl]amino]methyl]- (9CI) (CA INDEX NAME)

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



=> fil reg
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
5.57	339.66

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
-0.75	-0.75

FILE 'REGISTRY' ENTERED AT 12:23:10 ON 13 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 12 DEC 2006 HIGHEST RN 915277-53-1
DICTIONARY FILE UPDATES: 12 DEC 2006 HIGHEST RN 915277-53-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

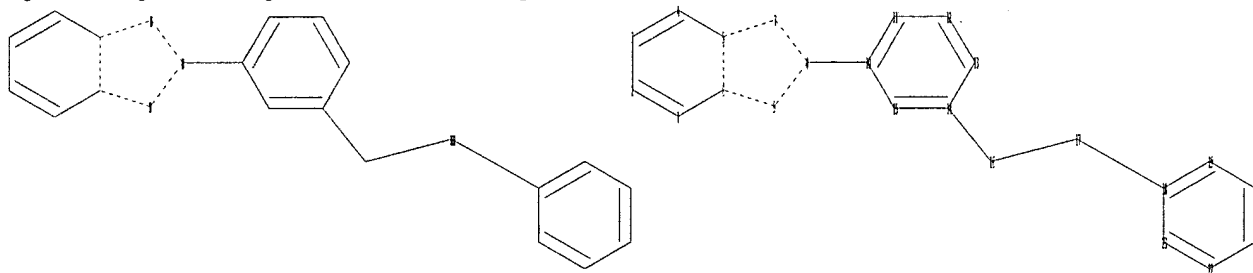
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10804884b.str



chain nodes :

16 17

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23

chain bonds :

8-10 14-16 16-17 17-18

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
 14-15 18-19 18-23 19-20 20-21 21-22 22-23
 exact/norm bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10 16-17 17-18
 exact bonds :
 14-16
 normalized bonds :
 10-11 10-15 11-12 12-13 13-14 14-15 18-19 18-23 19-20 20-21 21-22 22-23

Match level :

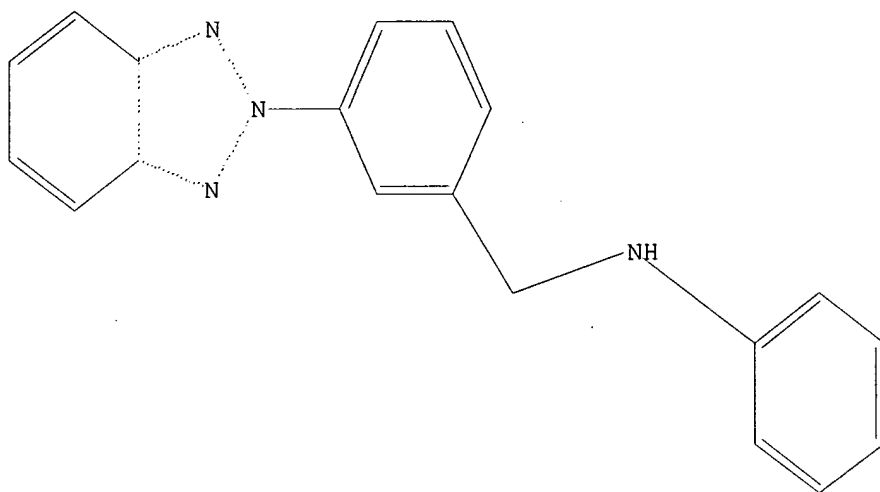
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom
 20:Atom 21:Atom 22:Atom 23:Atom

L8 STRUCTURE UPLOADED

=> d

L8 HAS NO ANSWERS

L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> s' 18

SAMPLE SEARCH INITIATED 12:23:42 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 28 TO ITERATE

100.0% PROCESSED 28 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 243 TO 877

PROJECTED ANSWERS: 1 TO 80

L9 1 SEA SSS SAM L8

=> s l8 full
FULL SEARCH INITIATED 12:23:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 668 TO ITERATE

100.0% PROCESSED 668 ITERATIONS 14 ANSWERS
SEARCH TIME: 00.00.01

L10 14 SEA SSS FUL L8

=> fil caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	166.94	506.60
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.75

FILE 'CAPLUS' ENTERED AT 12:23:48 ON 13 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 13 Dec 2006 VOL 145 ISS 25
FILE LAST UPDATED: 12 Dec 2006 (20061212/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l10
L11 8 L10

=> d ibib abs hitstr tot

L11 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:572625 CAPLUS
DOCUMENT NUMBER: 143:78191

TITLE: A preparation of benzotriazole derivatives, useful as antioxidants and antiozonants
INVENTOR(S): Solanki, Shailendra Singh; Desai, Shrojal Mohitkumar;

PATENT ASSIGNEE(S): Singh, Raj Pal
SOURCE: U.S. Pat. Appl. Publ., 7 pp., Cont. of Appl. No. PCT/IB03/06204.

CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English

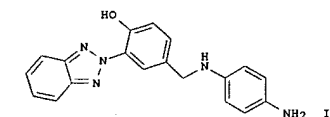
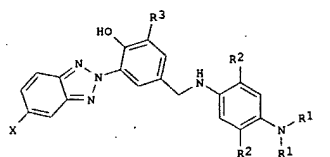
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005143584	A1	20050630	US 2004-804884	20040319
WO 2005066141	A1	20050721	WO 2003-IB6204	20031225
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,				
TG AU 2003288638 A1 20050812 AU 2003-288638 20031225 EP 1727807 A1 20061206 EP 2003-780480 20031225				
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PT, RO, SE, SI, SK, TR				
PRIORITY APPLIN. INFO.: WO 2003-IB6204 A1 20031225				

OTHER SOURCE(S): MARPAT 143:78191

GI

L11 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



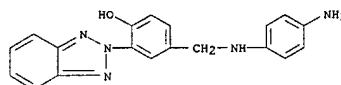
AB The invention relates to a preparation of benzotriazole derivate of formula I

[wherein: R1 and R2 are independently selected from alkyl groups; R3 is H or tert-butyl; X is H, halogen, tert-Bu, or alkoxy], useful as antioxidants and antiozonants (no data). For instance, benzotriazole derivative II was prepared via amination of 2-(2H-benzotriazol-2-yl)-4-(bromomethyl)phenol by p-phenylene diamine with a yield of 63%.

IT 856010-23-6P 856010-24-7P 856010-25-8P
856010-26-9P 856010-27-0P 856010-28-1P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

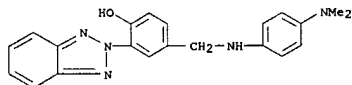
(Preparation of benzotriazole derivate useful as antioxidants and antiozonants)

RN 856010-23-6 CAPLUS
CN Phenol, 4-[[[4-(dimethylamino)phenyl]amino]methyl]-2-(2H-benzotriazol-2-yl)- (9CI) (CA INDEX NAME)

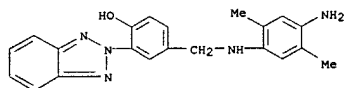


RN 856010-24-7 CAPLUS
CN Phenol, 4-[[[4-(dimethylamino)phenyl]amino]methyl]-2-(2H-benzotriazol-2-yl)- (9CI) (CA INDEX NAME)

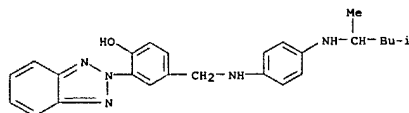
L11 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



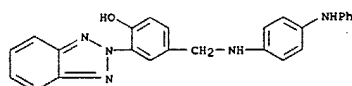
RN 856010-25-8 CAPLUS
CN Phenol, 4-[[[4-amino-2,5-dimethylphenyl]amino]methyl]-2-(2H-benzotriazol-2-yl)- (9CI) (CA INDEX NAME)



RN 856010-26-9 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-[[[4-[[1,3-dimethylbutyl]amino]phenyl]amino]methyl]- (9CI) (CA INDEX NAME)

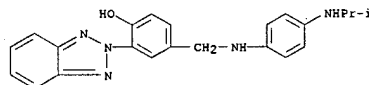


RN 856010-27-0 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-[[[4-(phenylamino)phenyl]amino]methyl]- (9CI) (CA INDEX NAME)



RN 856010-28-1 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-[[[4-[[1-methylethyl]amino]phenyl]amino]methyl]- (9CI) (CA INDEX NAME)

L11 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L11 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 1994:285161 CAPLUS
 DOCUMENT NUMBER: 120:285161
 TITLE: Heat-developable photographic material using polymeric UV absorber
 INVENTOR(S): Oohayashi, Keiji
 PATENT ASSIGNEE(S): Konishiroku Photo Ind, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05150433	A2	19930618	JP 1991-316794	19911129
PRIORITY APPLN. INFO.:				
			JP 1991-316794	19911129

AB The title photog. material possesses a layer containing a binder, photosensitive Ag halide, a dye-donor compound which releases or forms a diffusible dye on thermal development, and a polymeric UV absorber based on CRIR3:CR2[L(A)m(B)nQ] [R1-3 = H, C1-4 alkyl; L = CONH, CO2, phenylene; A = C1-20 alkylene, C6-20 arylene; B = NR4, CO, CO2, OCO, CONR4, SO2NR4, NR4SO2, SO2, O; R4 = H, C1-20 alkyl, C6-20 aryl; m,n = 0, 1; Q = UV absorber residue]. The photog. material gives transferred images having improved light resistance and surface gloss.

IT 154864-56-9

RL: USES (Uses)

(UV absorber, thermal diffusion transfer imaging material containing)

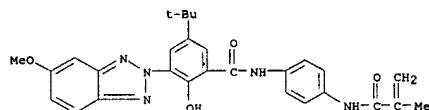
RN 154864-56-9 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with 5-(1,1-dimethylethyl)-2-hydroxy-3-(5-methoxy-2H-benzotriazol-2-yl)-N-[(2-methyl-1-oxo-2-propenyl)aminophenyl]benzamide (9CI) (CA INDEX NAME)

CM 1

CRN 154864-55-8

CMF C28 H29 N5 O4



CM 2

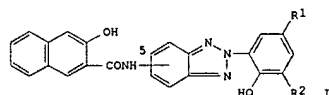
CRN 141-32-2

CMF C7 H12 O2

L11 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 1989:116668 CAPLUS
 DOCUMENT NUMBER: 110:116668
 TITLE: Lightfast azo pigment compositions having light-stabilizing effects for the substrates and manufacture thereof
 INVENTOR(S): Shibata, Tamiaki; Okura, Ken
 PATENT ASSIGNEE(S): Dainichiseika Color and Chemicals Mfg. Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63235375	A2	19880930	JP 1987-69094	19870325
JP 06021233	B4	19940323		
PRIORITY APPLN. INFO.:				
			JP 1987-69094	19870325

OTHER SOURCE(S): MARPAT 110:116668
 GI



AB The title compns. comprise pigments obtained by diazo coupling of the couplers I (R1, R2 = H, alkyl, aryl, excluding R1 = R2 = H) and also other couplers. A mixture of 3.2 parts I (R1 = R2 = PhMe2C; 5-bonding) and 9.2 parts Naphthol AS-ITP was coupled with diazotized ITP Base to give a bluish red pigment composition for amino-alkyd coatings and plastics.

IT 119404-38-5P

RL: PREP (Preparation)

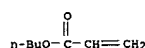
(manufacture and coupling with diazotized aniline derivs.)

RN 119404-38-5 CAPLUS

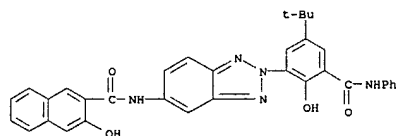
CN 2-Naphthalenecarboxamide, N-[2-[5-(1,1-dimethylethyl)-2-hydroxy-3-(phenylamino)carbonyl]phenyl]-2H-benzotriazol-5-yl]-3-hydroxy- (9CI)

(CA INDEX NAME)

L11 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



L11 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



IT 119404-08-9

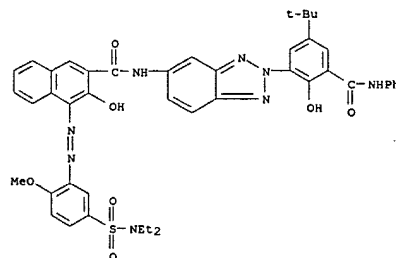
RL: USES (Uses)

(pigment mixts. containing, lightfast, light-stabilizing, for coatings and plastics)

RN 119404-08-9 CAPLUS

CN 2-Naphthalenecarboxamide, 4-[[5-[(diethylamino)sulfonyl]-2-methoxyphenyl]azo]-N-[2-[5-(1,1-dimethylethyl)-2-hydroxy-3-(phenylamino)carbonyl]phenyl]-2H-benzotriazol-5-yl]-3-hydroxy- (9CI)

(CA INDEX NAME)



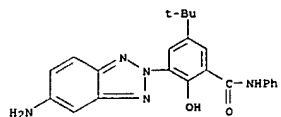
IT 119404-22-7

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with hydroxynaphthoic acid)

RN 119404-22-7 CAPLUS

CN Benzamide, 3-(5-amino-2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-2-hydroxy-N-phenyl- (9CI) (CA INDEX NAME)

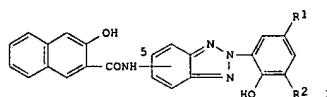


ACCESSION NUMBER: 1989:116661 CAPLUS
 DOCUMENT NUMBER: 110:116661
 TITLE: Couplers providing lightfast azo pigments having light-stabilizing effects for the substrates
 INVENTOR(S): Shibata, Tamiaki; Okura, Ken
 PATENT ASSIGNEE(S): Dainichiseika Color and Chemicals Mfg. Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKKXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

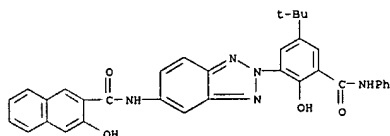
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63188669	A2	19880804	JP 1987-18637	19870130
JP 04080033	B4	19921217		

PRIORITY APPLN. INFO.: JP 1987-18637 19870130

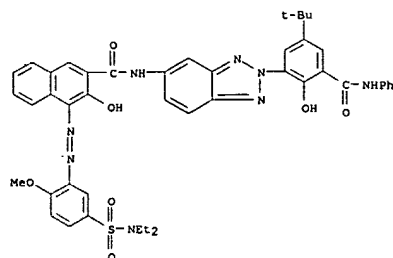
OTHER SOURCE(S): MARPAT 110:116661
GI



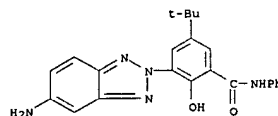
AB The title couplers have the general formula I (R1, R2 = H, alkyl, aryl, excluding R1 = R2 = H). 2-Hydroxy-3-naphthoic acid was treated with Na2CO3 and treated with PCl3, and the resulting acid chloride was condensed with 2-[(3,5-bis(α,α-dimethyl(benzyl))-2-hydroxyphenyl)-5-aminobenzotriazole to give I (R1 = R2 = PhMe2C) (II). A mixture of 3.2 parts II and 34 parts Naphthol AS-ITR was condensed with
 25.8 parts diazotized ITR Base to give a bluish red azo pigment composition for coatings and plastics.
 IT 119404-38-5P
 RL: PREP (Preparation)
 (manufacture and coupling with diazotized aniline derivs.)
 RN 119404-38-5 CAPLUS
 CN 2-Naphthalenecarboxamide, N-[2-[5-(1,1-dimethylethyl)-2-hydroxy-3-[(phenylamino)carbonyl]phenyl]-2H-benzotriazol-5-yl]-3-hydroxy- (9CI)
 (CA INDEX NAME)



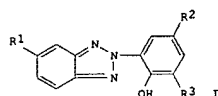
IT 119404-08-9
 RL: USES (Uses)
 (pigment mixts. containing, lightfast, light-stabilizing, for coatings and pigments)
 RN 119404-08-9 CAPLUS
 CN 2-Naphthalenecarboxamide, 4-[[5-[(diethylamino)sulfonyl]-2-methoxyphenyl]azo]-N-[2-[5-(1,1-dimethylethyl)-2-hydroxy-3-[(phenylamino)carbonyl]phenyl]-2H-benzotriazol-5-yl]-3-hydroxy- (9CI)
 (CA INDEX NAME)



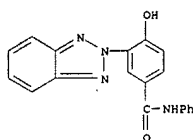
IT 119404-22-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with hydroxynaphthoic acid)
 RN 119404-22-7 CAPLUS
 CN Benzamide, 3-(5-amino-2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-2-hydroxy-N-phenyl- (9CI) (CA INDEX NAME)



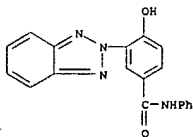
L11 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1976:543990 CAPLUS
 DOCUMENT NUMBER: 85:143990
 TITLE: Synthesis of substituted benzotriazoles for the stabilization of aromatic polyamides against uv light
 AUTHOR(S): Kuester, Bernhard; Tschang, Chung-Ji; Herlinger, Heinz
 CORPORATE SOURCE: Inst. Text. Faserforsch., Univ. Stuttgart, Stuttgart, Fed. Rep. Ger.
 SOURCE: Angewandte Makromolekulare Chemie (1976), 54(1), 55-70
 CODEN: ANMCBO; ISSN: 0003-3146
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 GI



AB Eight benzotriazoles (I; R1 = H, CONHPh, COCl, CON(Me)Ph; R2 = Me, Me3C, H, NHBz; R3 = H, Me3C) were prepared as light stabilizers for polyamides. The photolytic resistance of poly(m-phenyleneisophthalamide) [24938-60-1] containing I was determined by measuring viscosity. The importance of the o-OH group to the stabilizing properties of I was demonstrated by the fact that the corresponding Me ethers accelerated photochem. degradation
 IT 54639-58-6
 RL: USES (Uses)
 (light stabilizers, for polyamides)
 RN 54639-58-6 CAPLUS
 CN Benzamide, 3-(2H-benzotriazol-2-yl)-4-hydroxy-N-phenyl- (9CI) (CA INDEX NAME)



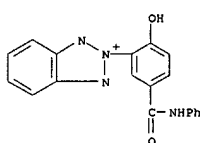
L11 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1975:57617 CAPLUS
 DOCUMENT NUMBER: 82:57617
 TITLE: 2-(2-Hydroxyphenyl)benzotriazoles. I. Synthesis and their ultraviolet and infrared spectra
 AUTHOR(S): Belusa, J.; Janousek, Z.; Knoflickova, H.
 CORPORATE SOURCE: Fac. Nat. Sci., J. E. Purkyne Univ., Brno, Czech.
 SOURCE: Chemické Zvesti (1974), 28(5), 673-9
 CODEN: CHZVAN; ISSN: 0366-6352
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 82:57617
 GI For diagram(s), see printed CA issue.
 AB Benzotriazoles I (R = H, R1 = Me, octyl, OMe, CO2H, NH2, Br, COCl, CO2Me, CO2(CH2)5Me, CO2C6H4Me, CONH2, CONHMe, CONEt2, CONHPh, NHAc, OH, Iodo, H; R = NH2, Me, Br, CO2H, NHAc, NAc2, NHMe, OH, R1 = H) were prepared by diazotizing 2-nitroanilines, coupling of the 2-nitrobenzenediazonium ion with p-R1C6H4OH, and reductive cyclization of the resulting azobenzene or by substitution on other I. Their uv spectra are reported. The shifts of the wave nos. of the stretching vibrations of OH, which forms an intramol. H-bond with triazole N, depended linearly on the Hammett σ consts. of R ($\rho = +45$) and R1 ($\rho = -61$). The log of the molar absorptivity of the band .apprx.300 nm depended linearly on σ consts. of R and that of the band at 330-90 nm on those of R1.
 IT 54639-58-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 54639-58-6 CAPLUS
 CN Benzamide, 3-(2H-benzotriazol-2-yl)-4-hydroxy-N-phenyl- (9CI) (CA INDEX NAME)



L11 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1976:31086 CAPLUS
 DOCUMENT NUMBER: 84:31086
 TITLE: 2-Phenylbenzotriazoles
 INVENTOR(S): Herlinger, Heinz; Kuester, Bernhard
 PATENT ASSIGNEE(S): BASF A.-G., Fed. Rep. Ger.
 SOURCE: Ger. Offen., 19 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2413005	A1	19751016	DE 1974-2413005	19740318
DE 2413005	C2	19871029		
PRIORITY APPLN. INFO.:			DE 1974-2413005	A 19740318

GI For diagram(s), see printed CA issue.
 AB 2-Phenylbenzotriazoles I (R = COCl, PhNHCO, BzNH; R1 = H, Me3C; R2 = Me3C, BzNH, PhNHCO, etc.), useful in the protection of aromatic polyamides and polyimides against uv light, were prepared. Thus, 4-Me3CC6H4OH reacted with diazotized 3,4-(O2N)(H2N)C6H3CO2H to give an azo dye which was cyclized by Zn-NaOH to I (R = CO2H, R1 = H, R2 = Me3C). This acid was converted into the acid chloride, which reacted with PhNH2 to give I (R = PhNHCO, R1 = H, R2 = Me3C).
 IT 57731-03-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 57731-03-0 CAPLUS
 CN 1H-Benzotriazolium, 2-([2-hydroxy-5-((phenylamino)carbonyl)phenyl]-, inner salt (9CI) (CA INDEX NAME)

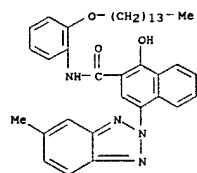


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L11 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1974:32492 CAPLUS
 DOCUMENT NUMBER: 80:32492
 TITLE: Color photographic film and imaging process
 INVENTOR(S): Thomas, Leo John; Tuite, Robert J.
 PATENT ASSIGNEE(S): Eastman Kodak Co.
 SOURCE: Ger. Offen., 57 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2258967	A1	19730614	DE 1972-2258967	19721201
DE 2258967	B2	19760226		
DE 2258967	C3	19761014		
US 3846128	A	19741105	US 1972-291114	19720921
CA 974395	A1	19750916	CA 1972-155809	19721107
AU 7249463	A1	19740530	AU 1972-49463	19721130
GB 1417159	A	19751210	GB 1972-55360	19721130
BE 792264	A1	19730604	BE 1972-124912	19721201
FR 1262141	A1	19730713	FR 1972-42723	19721201
NL 7216449	A	19730605	NL 1972-16449	19721204
CH 552832	A	19740815	CH 1972-17589	19721204
PRIORITY APPLN. INFO.:			US 1971-204340	A 19711202
			US 1972-291114	A 19720921

AB A photog. color film having improved developer latitude is described. Thus, a cellulose triacetate support is coated in sequence with the following layers: (a) a red sensitized Ag(Br,Cl) pos. emulsion, (b) a gelatin separation layer containing 1-hydroxy-N-[(2,4-di-tert-amylphenoxy)butyl]-2-naphthamide and tricresyl phosphate, (c) a cyan sensitized AgBr neg. emulsion, (d) same as b, (e) a green sensitized Ag(Br,I) pos. emulsion, (f) a yellow antihalation layer, (g) a blue sensitized Ag(Cl,Br,I) pos. emulsion and (h) a gelatin antistatic layer the same as b. The film was sensitometrically exposed and developed for 60 sec at 38° in the following solution: KOH 40, 50 g 4-amino-N-ethyl-N- β -hydroxyethylamine 50, piperidinohexose 0.2, 0.05 5-methylbenzimidazole 0.05, phenylmercaptotetrazole 30, and distilled H2O to 1 l. to give a Dmin. for the red, green, and blue of 0.37, 0.50, and 0.70, resp., vs. 0.50, 0.92, and 1.13, resp., for a control not containing the b and c layers.
 IT 51599-30-5
 RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. coupler)
 RN 51599-30-5 CAPLUS
 CN 2-Naphthalenecarboxamide, 1-hydroxy-4-(5-methyl-2H-benzotriazol-2-yl)-N-(2-(tetradecyloxy)phenyl)- (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

41.34

547.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-6.00

-6.75

STN INTERNATIONAL LOGOFF AT 12:24:00 ON 13 DEC 2006